

FIG. 1

DNA Extraction Process-Post Seedwash

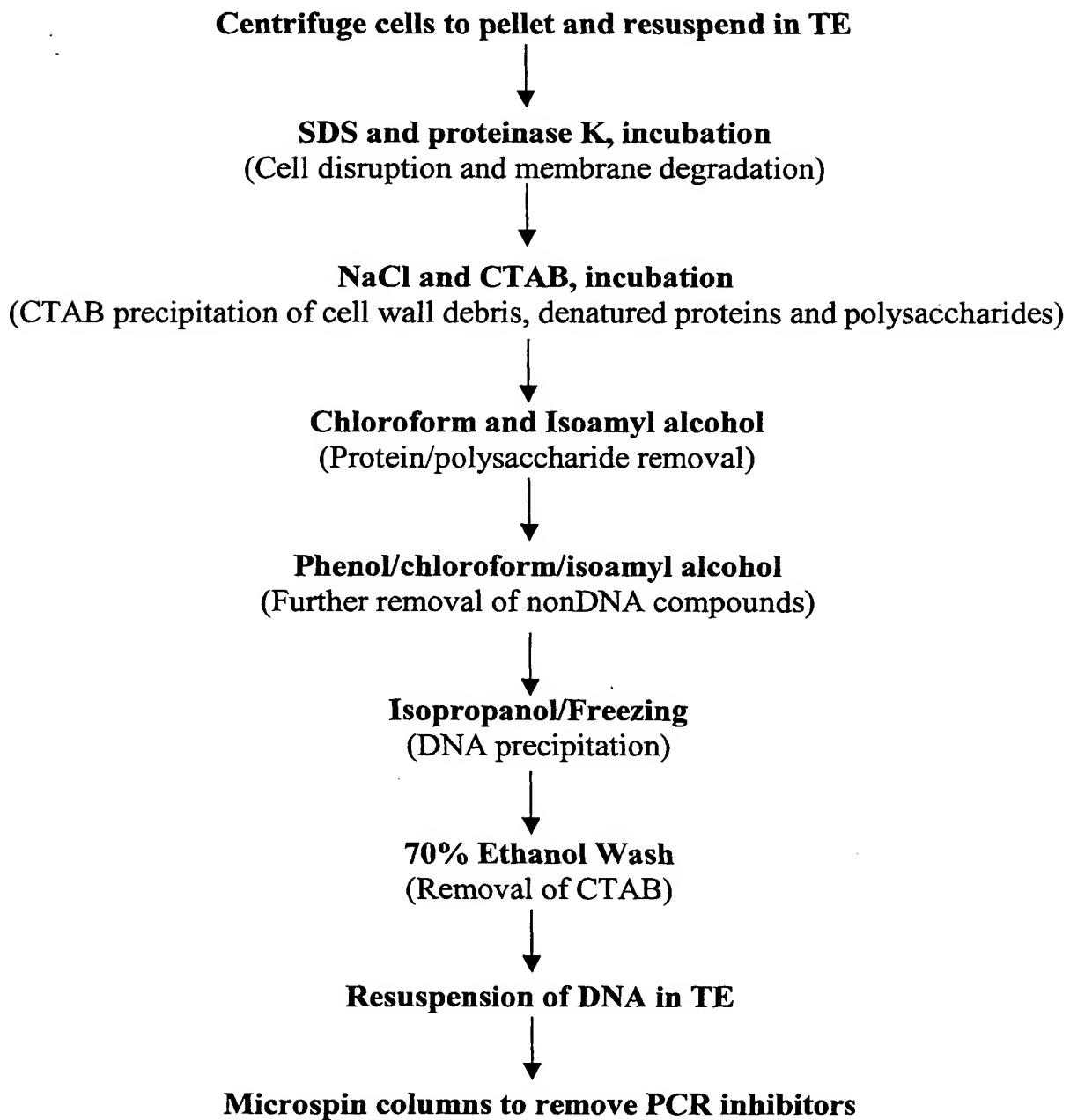


FIG. 2

BFB Polymerase Chain Reaction (PCR) Assay for Watermelon Seedlots

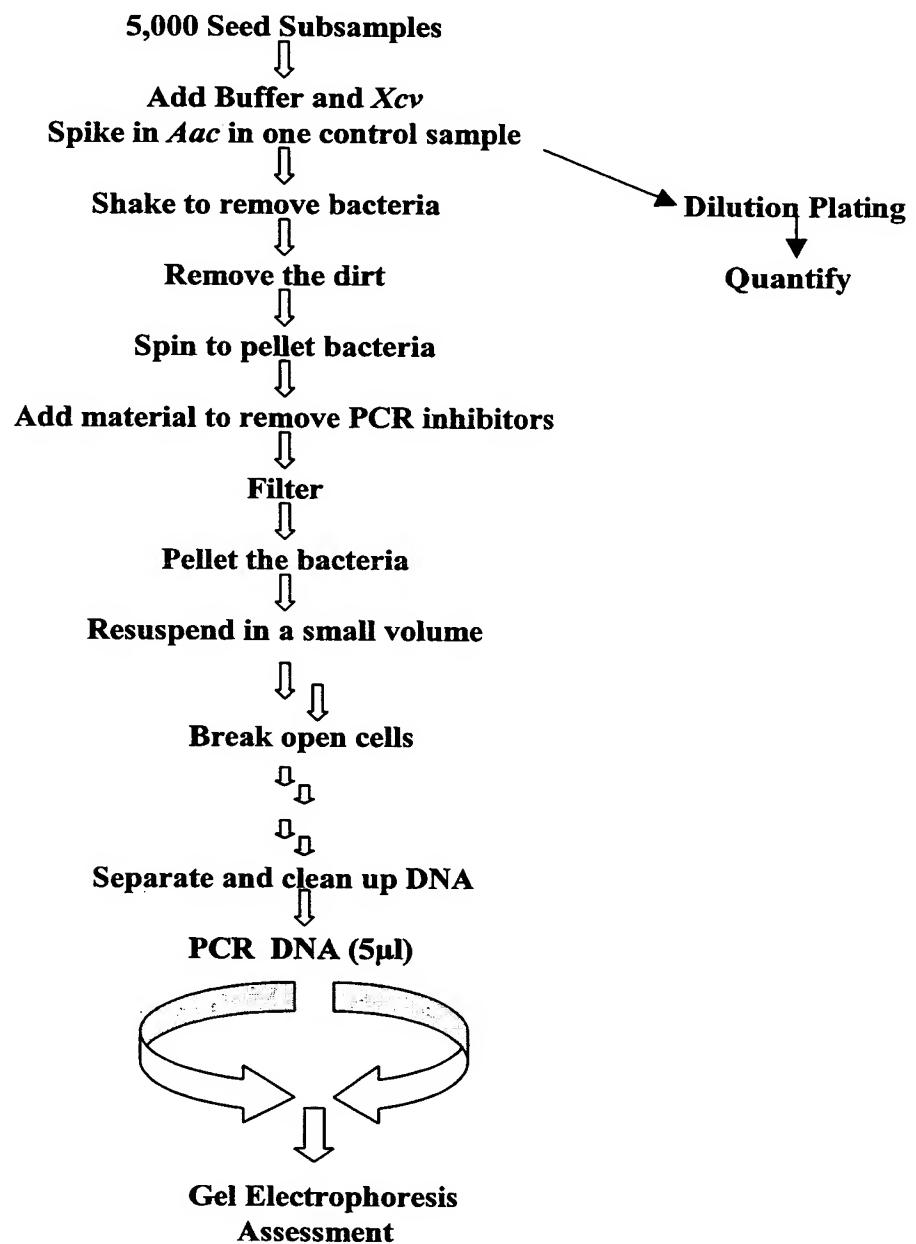


Fig. 3a

Bacterial Fruit Blotch

Disease screen assay data sheet

WFB PCR #

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE

Volts: 97 Watts: 8 mAmps: 92

On: 1-45 Off: 3-15 Temp: R/T

Amount of agarose used:

2.5g, 5.0g, 7.0g, other

(circle one)

Volume of DNA sample: 5µls

Total reaction volume: 50 μ l

Gel Lane		Xcv Result		Aac Result		Xcv Result		Aac Result		Xcv Result	
1. 1	Aac Rxns										
2. 1				37. 17	+			73. 11			
3. 2				38. 18	+			74. 11			
4. 2				39. 18	+			75. 12			
5. 3				40. 19	-			76. 12			
6. 3				41. 19	-			77. 13			
7. 4				42. 20	+			78. 13			
8. 4				43. 20	+			79. 14			
9. 5				44. H ₂ O	-			80. 14			
10. 5				45. H ₂ O	-			81. 15			
11. 6				46. TE	-			82. 15			
12. 6				47. TE	+			83. 16			
13. 7				48. DNA Hi	+			84. 16			
14. 7				49. DNA Hi	+			85. Ladder			
15. 8				50. DNA Low	+			86. Ladder			
16. 8				51. DNA Low	+			87. 17			
17. Ladder				52. 1	+			88. 17			
18. 9				53. 1				89. 18			
19. 9				54. 2				90. 18			
20. 10				55. 2				91. 19			
21. 10				56. 3				92. 19			
22. 11				57. 3				93. 20			
23. 11				58. 4				94. 20			
24. 12				59. 4				95. H ₂ O			
25. 12				60. 5				96. H ₂ O			
26. 13				61. 5				97. TE			
27. 13				62. 6				98. TE			
28. 14				63. 6				99. DNA Hi			
29. 14				64. 7				100. DNA Hi			
30. 15				65. 7				101. DNA Low			
31. 15				66. 8				102. DNA Low			
32. 16				67. 8				103.			
33. 16				68. Ladder				104.			
34. Ladder				69. 9	+			105.			
35. Ladder				70. 9				106.			
36. 17				71. 10							
				72. 10							

Note: All samples are tested at a 1:50 dilution of the recovered(stock) DNA. NTC is a No Template Control
Final Results:

BFB-PCR Seed Health Testing-50Rxns (20 samples)

PCR #: 975

Fig. 3b

Acidovorax Reactions

Xanthomonas Reactions

	1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20
E	#5	#5	#13	#13	-H ₂ O control	-H ₂ O control	#5	#5	#13	#13	-H ₂ O control	-H ₂ O control
F	#6	#6	#14	#14	-TE control	-TE control	#6	#6	#14	#14	-TE control	-TE control
G	#7	#7	#15	#15	⊕DNA control Aac	⊕DNA control Aac	#7	#7	#15	#15	⊕DNA control Aac	⊕DNA control Aac
H	#8	#8	#16	#16	⊕DNA control Aac	⊕DNA control Aac	#8	#8	#16	#16	⊕DNA control Aac	⊕DNA control Aac

Fig. 3c



P000713 5/31/2002 EBS 1:000xQ12.5

Bacterial Fruit Blotch

**Disease screen assay data sheet
WFB PCR # 980**

Fig. 4a

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE
Volts: 58 Watts: 8 mAmps: 94
On: 1:30 Off: 3:00 Temp: RT

Amount of agarose used;
2.5g, 5.0g, 7.0g, other _____
(circle one)

Volume of DNA sample: 5µls Total reaction volume: 50µls

Total reaction volume: 50 μ l

Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result
1. 1 <u>Aac Rxns</u>			37. 17			73. 11		+
2. 1			38. 18			74. 11		
3. 2			39. 18			75. 12		
4. 2			40. 19			76. 12		
5. 3			41. 19			77. 13		
6. 3			42. 20	+		78. 13		
7. 4			43. 20	+		79. 14		
8. 4			44. H ₂ O	-		80. 14		
9. 5			45. H ₂ O	-		81. 15		
10. 5			46. TE	-		82. 15		
11. 6			47. TE	-		83. 16		
12. 6			48. DNA Hi	+		84. 16		
13. 7			49. DNA Hi	+		85. Ladder		
14. 7			50. DNA Low	++		86. Ladder		
15. 8			51. DNA Low	+		87. 17		+
16. 8			52. 1			88. 17		
17. Ladder			53. 1			89. 18		
18. 9			54. 2			90. 18		
19. 9			55. 2			91. 19		
20. 10			56. 3			92. 19		
21. 10			57. 3			93. 20		
22. 11			58. 4			94. 20		
23. 11			59. 4			95. H ₂ O		
24. 12			60. 5			96. H ₂ O		
25. 12			61. 5			97. TE		
26. 13			62. 6		+	98. TE		
27. 13			63. 6			99. DNA Hi		+
28. 14			64. 7			100. DNA Hi		+
29. 14			65. 7			101. DNA Low		+
30. 15			66. 8			102. DNA Low		+
31. 15			67. 8			103.		
32. 16			68. Ladder			104.		
33. 16			69. 9			105.		
34. Ladder			70. 9			106.		
35. Ladder			71. 10					
36. 17			72. 10					

Note: All samples are tested at a 1:50 dilution of the recovered(stock) DNA. NTC is a No Template Control
Final Results:

BFB-PCR Seed Health Testing-50Rxns (20 samples)

PCR #: 980

	1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20
E	#5	#5	#13	#13	-H ₂ O	-H ₂ O	#5	#5	#13	#13	-H ₂ O	-H ₂ O
F	#6	#6	#14	#14	-TE control	-TE control	#6	#6	#14	#14	-TE control	-TE control
G	#7	#7	#15	#15	ΦDNA control Aac	ΦDNA control Aac	#7	#7	#15	#15	ΦDNA control Aac	ΦDNA control Aac
H	#8	#8	#16	#16	ΦDNA control Aac	ΦDNA control Aac	#8	#8	#16	#16	ΦDNA control Aac	ΦDNA control Aac

Fig. 44

Fig. 4c



Bacterial Fruit Blotch

Disease screen assay data sheet

WFB PCR #98 /

Fig. 5a.

Electrophoresis information

Gel Concentration: 2.0%

Volts: 98 Watts: 9 mAmps: 92

On: 1:30 Off: 3:00 Temp: 97

Amount of agarose used:

2.5g, 5.0g, 7.0g, other

(circle one)

Volume of DNA sample: 5 μls

Total reaction volume: 50 μ l

Total Reaction Volume: 50 μl							
Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result
1. 1 Aac Rxns	—	—	37. 17	—	—	73. 11	+
2. 1	—	—	38. 18	—	—	74. 11	—
3. 2	—	—	39. 18	—	—	75. 12	—
4. 2	—	—	40. 19	—	—	76. 12	—
5. 3	—	—	41. 19	—	—	77. 13	—
6. 3	—	—	42. 20	+	—	78. 13	—
7. 4	—	—	43. 20	+	—	79. 14	—
8. 4	—	—	44. H ₂ O	—	—	80. 14	—
9. 5	—	—	45. H ₂ O	—	—	81. 15	—
10. 5	—	—	46. TE	—	—	82. 15	—
11. 6	—	—	47. TE	—	—	83. 16	—
12. 6	—	—	48. DNA Hi	+	—	84. 16	—
13. 7	—	—	49. DNA Hi	+	—	85. Ladder	—
14. 7	—	—	50. DNA Low	+	—	86. Ladder	—
15. 8	—	—	51. DNA Low	+	—	87.17	+
16. 8	—	—	52. 1	—	—	88.17	—
17. Ladder	—	—	53. 1	—	—	89.18	—
18. 9	—	—	54. 2	—	—	90.18	—
19. 9	—	—	55. 2	—	—	91. 19	—
20. 10	—	—	56. 3	—	—	92. 19	—
21. 10	—	—	57. 3	—	—	93.20	—
22. 11	—	—	58. 4	—	—	94.20	—
23. 11	—	—	59. 4	—	—	95. H ₂ O	—
24. 12	—	—	60. 5	—	—	96. H ₂ O	—
25. 12	—	—	61. 5	—	—	97. TE	—
26. 13	—	—	62. 6	—	—	98. TE	—
27. 13	—	—	63. 6	—	—	99. DNA Hi	—
28. 14	—	—	64. 7	—	—	100. DNA Hi	—
29. 14	—	—	65. 7	—	—	101. DNA Low	—
30. 15	—	—	66. 8	—	—	102. DNA Low	—
31. 15	—	—	67. 8	—	—	103.	—
32. 16	—	—	68. Ladder	—	—	104.	—
33. 16	—	—	69. 9	—	—	105.	—
34. Ladder	—	—	70. 9	—	—	106.	—
35. Ladder	—	—	71. 10	—	—	—	—
36. 17	—	—	72. 10	—	—	—	—

Note: All samples are tested at a 1:50 dilution of the recovered(stock) DNA. NTC is a No Template Control
Final Results:

BFB-PCR Seed Health Testing-50Rxn (20 samples)

PCR #: 981

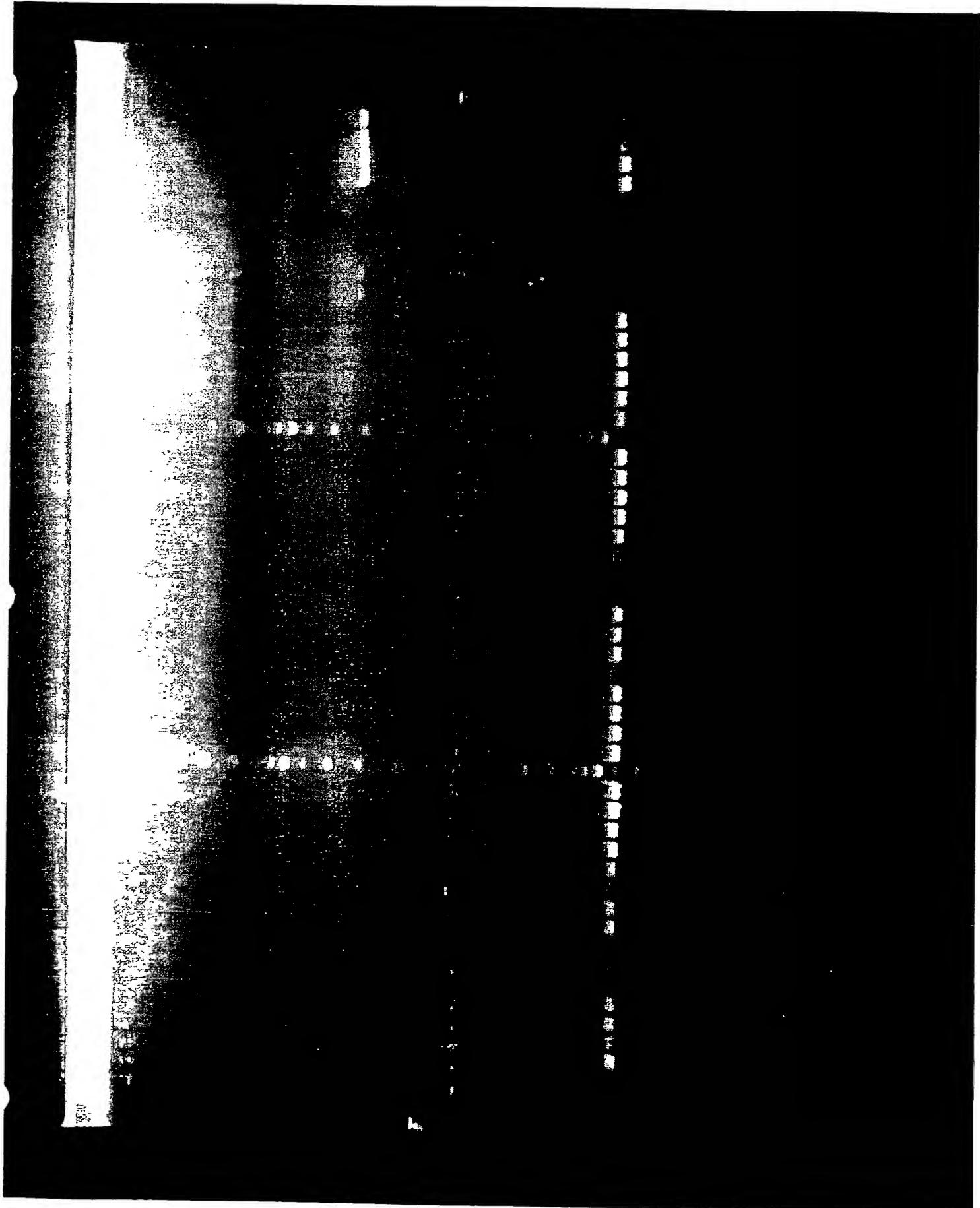
F₁g-56

Acidovorax Reactions

Xanthomonas Reactions

	1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20
E	#5	#5	#13	#13	-H ₂ O control	-H ₂ O control	#5	#5	#13	#13	-H ₂ O control	-H ₂ O control
F	#6	#6	#14	#14	-TE control	-TE control	#6	#6	#14	#14	-TE control	-TE control
G	#7	#7	#15	#15	⊕DNA control Aac	⊕DNA control Aac	#7	#7	#15	#15	⊕DNA control Aac	⊕DNA control Aac
H	#8	#8	#16	#16	⊕DNA control Aac	⊕DNA control Aac	#8	#8	#16	#16	⊕DNA control Aac	⊕DNA control Aac

Fig. 5c



Bacterial Fruit Blotch
 Disease screen assay data sheet
 WFB PCR #984

Fig. 6a

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE

Volts: 150 Watts: 8 mAmps: 98
 On: 1:15 Off: 2:45 Temp: RT

Amount of agarose used;
 2.5g, 5.0g, 7.0g, other _____
 (circle one)

Volume of DNA sample: 5 μls Total reaction volume: 50 μls

Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result
1. 1 Aac Rxns	-		37. 17	-		73. 11		
2. 1			38. 18	-		74. 11		
3. 2			39. 18	-		75. 12		
4. 2			40. 19	-		76. 12		
5. 3			41. 19	-		77. 13		
6. 3			42. 20	+		78. 13		
7. 4			43. 20	+		79. 14		
8. 4			44. H ₂ O	-		80. 14		
9. 5	-		45. H ₂ O	-		81. 15		
10. 5	-		46. TE	-		82. 15		
11. 6	+		47. TE	-		83. 16		
12. 6	-		48. DNA Hi	+		84. 16		
13. 7	-		49. DNA Hi	+		85. Ladder		
14. 7	+		50. DNA Low	+		86. Ladder		
15. 8	+		51. DNA Low	+		87.17		
16. 8	+		52. 1		+	88.17		
17. Ladder			53. 1		+	89.18		
18. 9			54. 2		+	90.18		
19. 9			55. 2		+	91. 19		
20. 10			56. 3		+	92. 19		
21. 10			57. 3		+	93.20		
22. 11			58. 4		+	94.20		
23. 11			59. 4		+	95. H ₂ O		
24. 12			60. 5		+	96. H ₂ O		
25. 12			61. 5		+	97. TE		
26. 13			62. 6		+	98. TE		
27. 13			63. 6		+	99. DNA Hi	+	
28. 14	+		64. 7		+	100. DNA Hi	+	
29. 14	+		65. 7		+	101. DNA Low	+	
30. 15	+		66. 8		+	102. DNA Low	+	
31. 15	+		67. 8		+	103.		
32. 16	-		68. Ladder		+	104.		
33. 16	-		69. 9		+	105.		
34. Ladder			70. 9		+	106.		
35. Ladder			71. 10					
36. 17	-		72. 10					

Note: All samples are tested at a 1:50 dilution of the recovered(stock) DNA. NTC is a No Template Control
 Final Results:

Sample#'	1&2	3&4	5&6	7&8	9&10	11&12	13&14	15&16	17&18
Positive	✓	✓	✓	✓	✓		✓	✓	
Negative	✓	✓			✓	✓		✓	✓

BFB-PCR Seed Health Testing-50Rxns (20 samples)

PCR #: 984

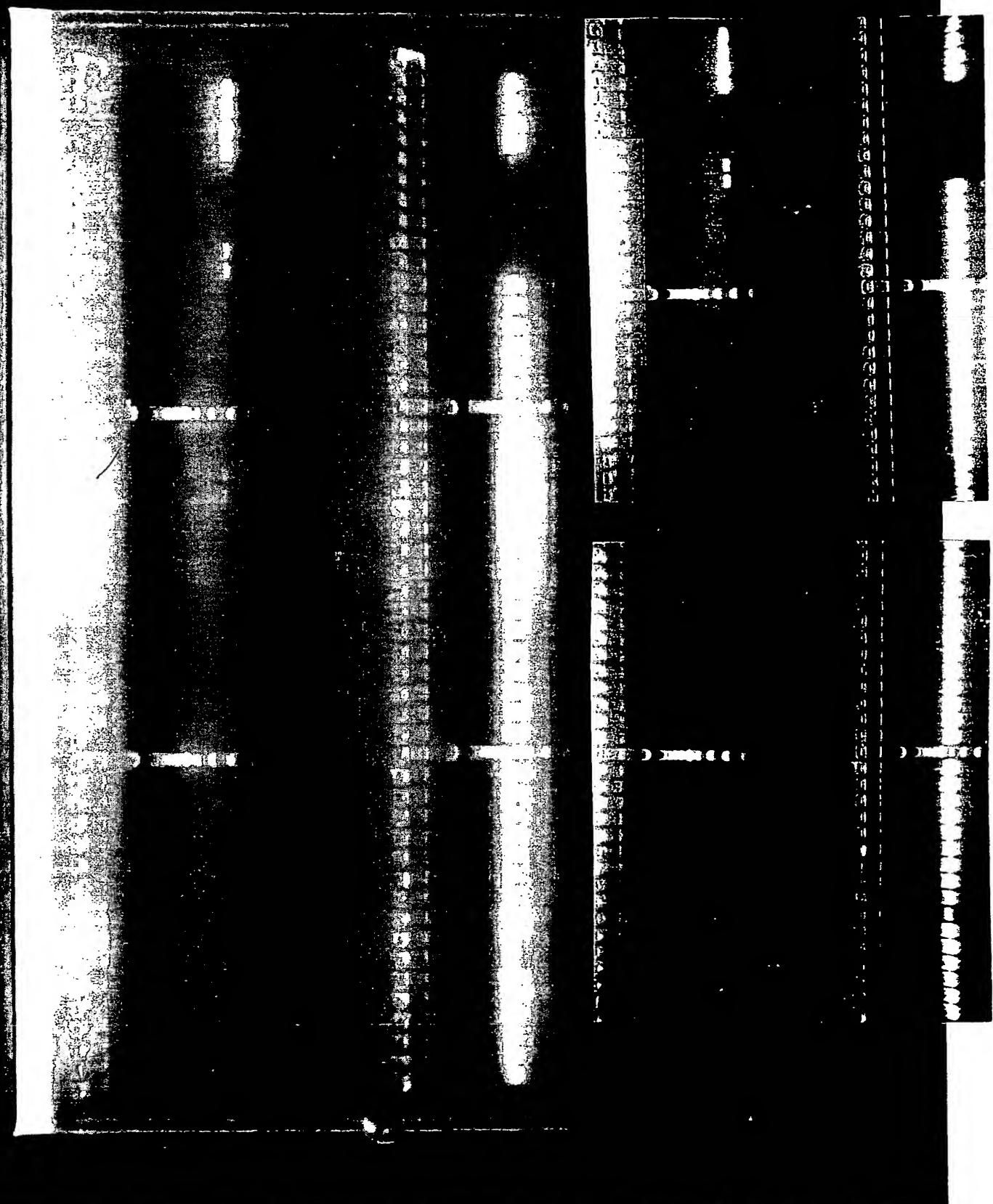
Fig. 6b

Acidovorax Reactions

Xanthomonas Reactions

	1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1.	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20
E	#5	#5	#13	#13	-H ₂ O control	-H ₂ O control	#5	#5	#13	#13	-H ₂ O control	-H ₂ O control
F	#6	#6	#14	#14	-TE control	-TE control	#6	#6	#14	#14	-TE control	-TE control
G	#7	#7	#15	#15	⊕DNA control Aac	⊕DNA control Aac	#7	#7	#15	#15	⊕DNA control Aac	⊕DNA control Aac
H	#8	#8	#16	#16	⊕DNA control Aac	⊕DNA control Aac	#8	#8	#16	#16	⊕DNA control Aac	⊕DNA control Aac

Fig. 6c



Bacterial Fruit Blotch
 Disease screen assay data sheet
 WFB PCR # 987

Fig. 7a

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE Amount of agarose used:
 Volts: 100 Watts: 9 mAmps: 78 2.5g, 5.0g, 7.0g, other _____
 On: 2:00 Off: 3:30 Temp: RT (circle one)

Volume of DNA sample: 5 μls Total reaction volume: 50 μls

<u>Gel Lane</u>	<u>Aac</u>	<u>Xcv</u>	<u>Gel Lane</u>	<u>Aac</u>	<u>Xcv</u>	<u>Gel Lane</u>	<u>Aac</u>	<u>Xcv</u>
<u>Result</u>	<u>Result</u>	<u>Result</u>	<u>Result</u>	<u>Result</u>	<u>Result</u>	<u>Result</u>	<u>Result</u>	<u>Result</u>
1. 1 <u>Aac Rxns</u>	-		37. 17	+		73. 11		+
2. 1	-		38. 18	+		74. 11		
3. 2	-		39. 18	+		75. 12		
4. 2	-		40. 19	-		76. 12		
5. 3	+		41. 19	-		77. 13		
6. 3	+		42. 20	+		78. 13		
7. 4	+		43. 20	+		79. 14		
8. 4	+		44. H ₂ O	-		80. 14		
9. 5	+		45. H ₂ O	-		81. 15		
10. 5	+		46. TE	-		82. 15		
11. 6	+		47. TE	-		83. 16		
12. 6	+		48. DNA Hi	+		84. 16		
13. 7	-		49. DNA Hi	+		85. Ladder		
14. 7	-		50. DNA Low	+		86. Ladder		
15. 8	-		51. DNA Low	+		87.17		+
16. 8	-		52. 1			88.17		
17. Ladder	-		53. 1			89.18		
18. 9	-		54. 2			90.18		
19. 9	-		55. 2			91.19		
20. 10	-		56. 3			92.19		
21. 10	-		57. 3			93.20		-
22. 11	+		58. 4			94.20		-
23. 11	+		59. 4			95. H ₂ O		-
24. 12	-		60. 5			96. H ₂ O		-
25. 12	-		61. 5			97. TE		-
26. 13	-		62. 6			98. TE		-
27. 13	-		63. 6			99. DNA Hi		+
28. 14	-		64. 7			100. DNA Hi		+
29. 14	-		65. 7			101. DNA Low		+
30. 15	+		66. 8			102. DNA Low		+
31. 15	+		67. 8			103.		
32. 16	+		68. Ladder			104.		
33. 16	+		69. 9			105.		
34. Ladder			70. 9			106.		
35. Ladder			71. 10					
36. 17	+		72. 10					

Note: All samples are tested at a 1:50 dilution of the recovered(stock) DNA. NTC is a No Template Control
 Final Results:

Sample#'	1&2	3&4	5&6	7&8	9&10	11&12	13&14	15&16	17&18
Positive	/	/	/	/	/	/	/	/	/
Negativ	/			/	/	/	/	/	/

BFB-PCR Seed Health Testing-50Rxns (20 samples)

PCR #: 707

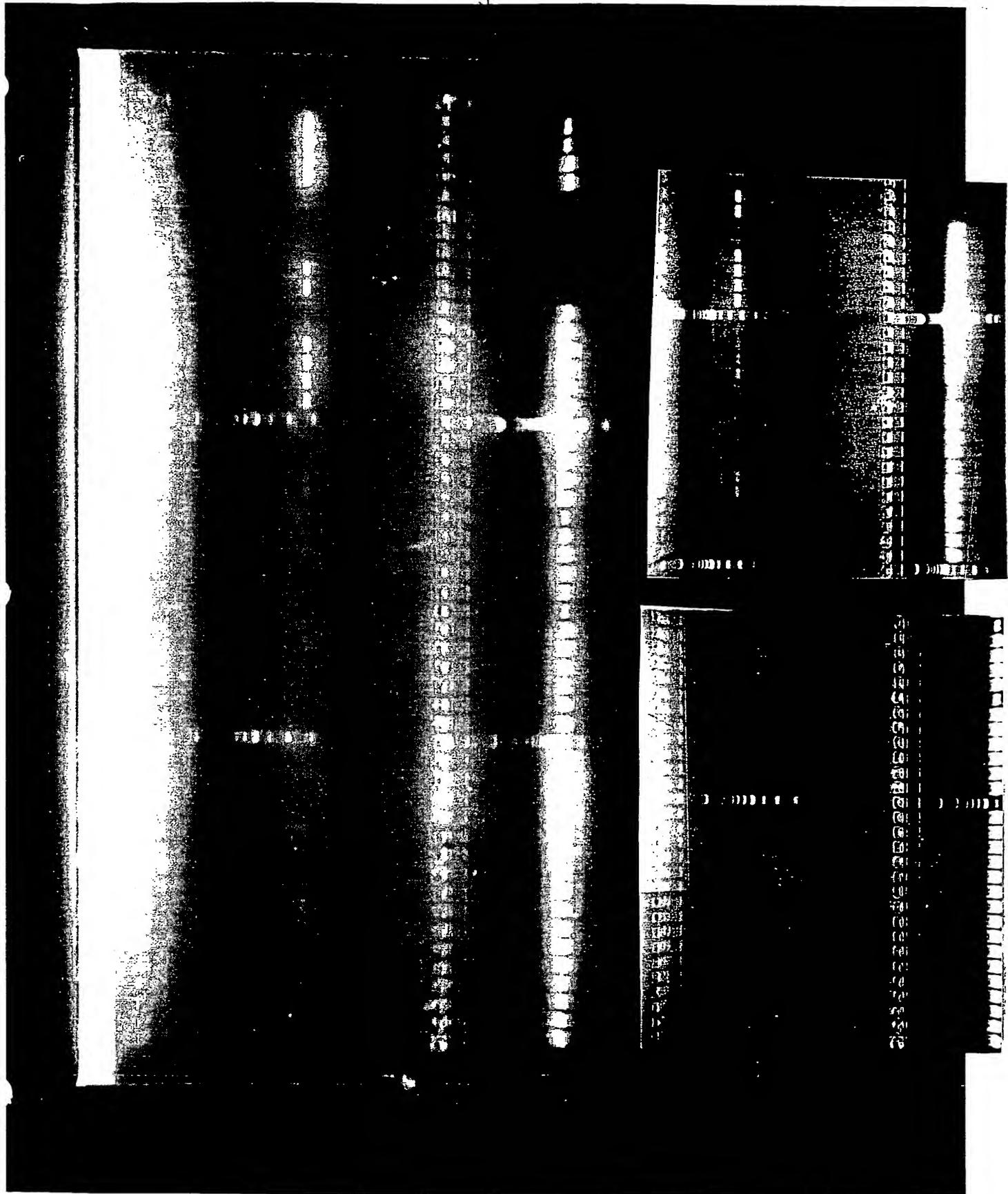
Fig. 7b

Acidovorax Reactions

Xanthomonas Reactions

	1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20
E	#5	#5	#13	#13	-H ₂ O control	-H ₂ O control	#5	#5	#13	#13	-H ₂ O control	-H ₂ O control
F	#6	#6	#14	#14	-TE control	-TE control	#6	#6	#14	#14	-TE control	-TE control
G	#7	#7	#15	#15	⊕DNA control Aac	⊕DNA control Aac	#7	#7	#15	#15	⊕DNA control Aac	⊕DNA control Aac
H	#8	#8	#16	#16	⊕DNA control Aac	⊕DNA control Aac	#8	#8	#16	#16	⊕DNA control Aac	⊕DNA control Aac

Fig. 7c



Bacterial Fruit Blotch

Disease screen assay data sheet
WFB PCR # 993

Fig. 8a

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE
Volts: 130 Watts: 15 mAmps: 117
On: 1:40 Off: 3:00 Temp: RT

Amount of agarose used;
2.5g, 5.0g, 7.0g, other 12g / 6.00 ml
(circle one) Run gel together
with PCR.

Volume of DNA sample: 5µls Total reaction volume: 50µls

<u>Gel Lane</u>	Aac <u>Result</u>	Xcv <u>Result</u>	Gel Lane	Aac <u>Result</u>	Xcv <u>Result</u>	Gel Lane	Aac <u>Result</u>	Xcv <u>Result</u>
1. 1 <u>Aac Rxns</u>	+		37. 17			73. 11		+
2. 1	+		38. 18			74. 11		
3. 2	+		39. 18			75. 12		
4. 2	+		40. 19			76. 12		
5. 3	-		41. 19			77. 13		
6. 3	-		42. 20	+		78. 13		
7. 4	+		43. 20	+		79. 14		
8. 4	+		44. H ₂ O	-		80. 14		
9. 5	+		45. H ₂ O	-		81. 15		
10. 5	-		46. TE	-		82. 15		
11. 6	+		47. TE	-		83. 16		
12. 6	+		48. DNA Hi	+		84. 16		
13. 7	+		49. DNA Hi	+		85. Ladder		
14. 7	+		50. DNA Low	+		86. Ladder		
15. 8	-		51. DNA Low	+				+
16. 8	+		52. 1					
17. Ladder			53. 1					
18. 9	-		54. 2			87.17		
19. 9			55. 2			88.17		
20. 10			56. 3			89.18		
21. 10			57. 3			90.18		
22. 11			58. 4			91. 19		
23. 11			59. 4			92. 19		
24. 12			60. 5			93.20		
25. 12			61. 5			94.20		
26. 13			62. 6			95. H ₂ O		
27. 13			63. 6			96. H ₂ O		
28. 14			64. 7			97. TE		
29. 14			65. 7			98. TE		
30. 15			66. 8			99. DNA Hi		
31. 15			67. 8			100. DNA Hi		
32. 16			68. Ladder			101. DNA Low		
33. 16			69. 9			102. DNA Low		
34. Ladder			70. 9			103.		
35. Ladder			71. 10			104.		
36. 17			72. 10			105.		
						106.		

Note: All samples are tested at a 1:50 dilution of the recovered(stock) DNA. NTC is a No Template Control

Final Results:

Final Results:									
Sample #'s	1&2	3&4	5&6	7&8	9&10	11&12	13&14	15&16	17&18
Positive	✓	✓		✓		✓	✓	✓	
Negative					✓	✓	✓	✓	✓

BFB-PCR Seed Health Testing-50Rxns (20 samples)

PCR #: 993

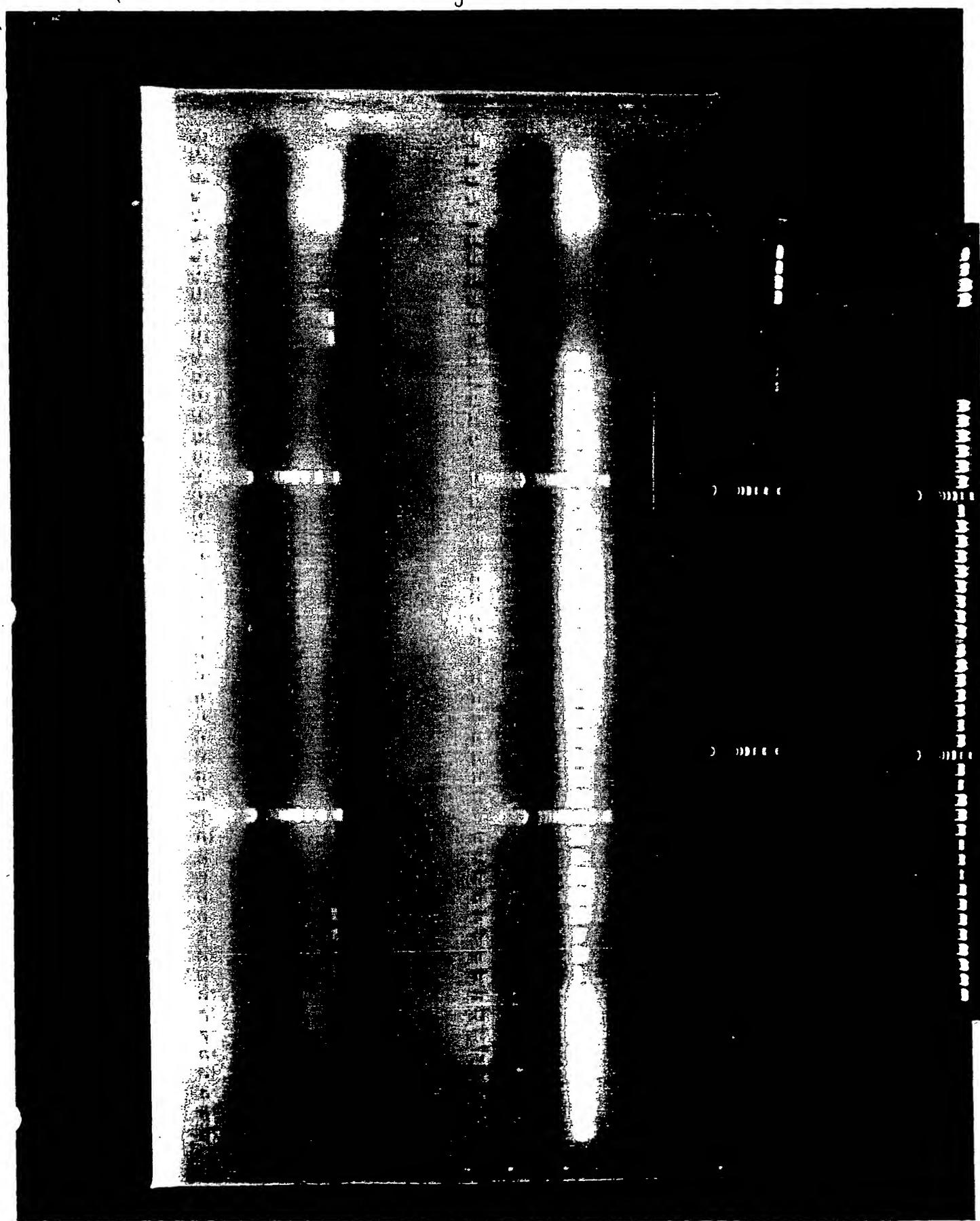
T₁ S_b

Acidovorax Reactions

Xanthomonas Reactions

	1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20
E	#5	#5	#13	#13	-H ₂ O	-H ₂ O	#5	#5	#13	#13	-H ₂ O	-H ₂ O
F	#6	#6	#14	#14	-TE control	-TE control	#6	#6	#14	#14	-TE control	-TE control
G	#7	#7	#15	#15	⊕DNA control Aac	⊕DNA control Aac	#7	#7	#15	#15	⊕DNA control Aac	⊕DNA control Aac
H	#8	#8	#16	#16	⊕DNA control Aac	⊕DNA control Aac	#8	#8	#16	#16	⊕DNA control Aac	⊕DNA control Aac

Fig. 8c



Bacterial Fruit Blotch

**Disease screen assay data sheet
WFB PCR # 976**

Fig. 9a

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE

Volts: 98 Watts: 8 mAmps: 92

On: 1:30 Off: 3:00 Temp: RT

Amount of agarose used;

2.5g, 5.0g, 7.0g, other

(circle one)

Volume of DNA sample: 5 μl

Total reaction volume: 50 μ l

<u>Gel Lane</u>	<u>Aac</u> <u>Result</u>	<u>Xcv</u> <u>Result</u>	<u>Gel Lane</u>	<u>Aac</u> <u>Result</u>	<u>Xcv</u> <u>Result</u>	<u>Gel Lane</u>	<u>Aac</u> <u>Result</u>	<u>Xcv</u> <u>Result</u>
1. 1 <u>Aac Rxns</u>			37. 17			73. 11		
2. 1			38. 18			74. 11		
3. 2			39. 18			75. 12		
4. 2			40. 19			76. 12		
5. 3			41. 19			77. 13		
6. 3			42. 20	+		78. 13		
7. 4			43. 20	+		79. 14		
8. 4			44. H ₂ O	-		80. 14		
9. 5			45. H ₂ O	-		81. 15		
10. 5			46. TE	-		82. 15		
11. 6			47. TE	-		83. 16		
12. 6			48. DNA Hi	+		84. 16		
13. 7			49. DNA Hi	+		85. Ladder		
14. 7			50. DNA Low	+		86. Ladder		
15. 8			51. DNA Low	+		87.17		
16. 8			52. 1			88.17		
17. Ladder			53. 1			89.18		
18. 9			54. 2			90.18		
19. 9			55. 2			91. 19		
20. 10			56. 3			92. 19		
21. 10			57. 3			93.20		
22. 11			58. 4			94.20		
23. 11			59. 4			95. H ₂ O		
24. 12			60. 5			96. H ₂ O		
25. 12			61. 5			97. TE		
26. 13			62. 6			98. TE		
27. 13			63. 6			99. DNA Hi		
28. 14			64. 7			100. DNA Hi	+	
29. 14			65. 7			101. DNA Low	+	
30. 15			66. 8			102. DNA Low	+	
31. 15			67. 8			103.		
32. 16			68. Ladder			104.		
33. 16			69. 9			105.		
34. Ladder			70. 9			106.		
35. Ladder			71. 10					
36. 17			72. 10					

Note: All samples are tested at a 1:50 dilution of the recovered(stock) DNA. NTC is a No Template Control
Final Results:

BFB-PCR Seed Health Testing-50Rxn (20 samples)

PCR #: 976

Fg. 96

Acidovorax Reactions

Xanthomonas Reactions

	1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20
E	#5	#5	#13	#13	-H ₂ O	-H ₂ O	#5	#5	#13	#13	-H ₂ O	-H ₂ O
F	#6	#6	#14	#14	-TE control	-TE control	#6	#6	#14	#14	-TE control	-TE control
G	#7	#7	#15	#15	⊕DNA control	⊕DNA control	#7	#7	#15	#15	⊕DNA control	⊕DNA control
H	#8	#8	#16	#16	⊕DNA control	⊕DNA control	#8	#8	#16	#16	⊕DNA control	⊕DNA control

Fig. 9c

